

PARTICIPANT BROCHURE

JANUARY 23-25, 2024

BISMARCK EVENT CENTER | 315 S 5th Street, Bismarck, ND



Energy Progress & Innovation Conference

ndepic.com

WELCOME



Welcome to our 45th annual conference!

We are thrilled to announce that the 2024 Energy Progress and Innovation Conference is just around the corner! We have been hard at work since last year's conference to bring you an even better experience. Our committee is made up of over 30 members from around the region, each with a drive to make our conference

more successful than ever, and each representing a different facility, plant, vendor or resource for the energy industry.

Our Mission Statement guides us in everything we do. With over 50 speakers and 100 vendor companies already registered, we are confident that our attendees will learn from the best and bring back knowledge and ideas to their facilities, as well as insight on the newest innovations and products available on the market today.

We cannot stress enough how important the vendors are to the conference. Their registration fees help us keep participant registration fees low to allow as many participants to attend as possible from local facilities. To get to know them better, we encourage you to attend and participate in conference events including vendor presentations in the show hall and Casino Night on Wednesday.

We are excited to announce that our keynote speaker for 2024 is Robert Bryce. Robert is an author, podcaster, and film producer who has written about energy, power, politics, and innovation for more than three decades. Bryce is the author of six books including most recently, *A Question of Power: Electricity and the Wealth of Nations*. He also has a new documentary, *Juice: How Electricity Explains the World*. He also hosts the Power Hungry Podcast.

We will wrap each day up with Holly Hoffman, a South Dakota native and the last remaining member of the Espada Tribe from Season 21. She will focus on "The Survivor Way," while discussing why adversity is not so much contending with problems as it is learning more about who you really are and what is inside of you.

We are excited to kick off another great year for energy in North Dakota, and we look forward to welcoming you back to the Bismarck Event Center!

Troy Karlberg
2024 EPIC Chair
Minnkota Power Cooperative

MISSION STATEMENT

Energize industry and individuals in a competitive market through education, technology, and networking.

MORNING KEYNOTE: EXHIBIT HALL A

THE ENERGY TRANSITION...
WHAT ENERGY TRANSITION?

8:00 am - 9:00 am

Wednesday, January 24, and Thursday, January 25, 2024



Robert Bryce
Power Hungry Podcast

Politicians and climate activists claim an "energy transition" is underway and that our economy will soon be fueled by sources like wind and solar. In this talk, author, podcaster, and film producer Robert Bryce will deliver a sober look at the energy landscape. He will discuss the land use and geo-political barriers to the adoption of alternative energy and explain why energy transitions occur over decades, not years. Bryce will also explain why hydrocarbons are here to stay and how the United States has become a critical supplier of oil and gas to our allies around the world.

Robert Bryce is an author, podcaster, and film producer. He has written about energy, power, politics, and innovation for more than three decades. Bryce is the author of six books including most recently, *A Question of Power: Electricity and the Wealth of Nations*.

He has given more than 450 or keynote lectures to groups ranging from the Marine Corps War College to the Sydney Institute, as well as a wide variety of associations, universities, and corporations. He is the host of the Power Hungry Podcast and the executive producer of the feature-length documentary: *Juice: How Electricity Explains the World*, which is available on numerous streaming platforms.

He lives in Austin, Texas, with his wife, Lorin, who is an art teacher, photographer, and master potter. Follow him on Substack, robertbryce.substack.com, and on Twitter, [@pwrhungry](https://twitter.com/pwrhungry).

2024 EPIC REGISTRATION DETAILS

CONFERENCE COST

The registration fees below include all breaks, lunches, social activities (Tuesday Showcase Social, Ice cream each afternoon, and Casino Night Wednesday), as well as the opportunity to participate in our Grand Prize Punch Card activity (with a \$2,000 travel package given away at the end of each day).

- Early Bird Registration:
 - 1 Day (Wed or Thur) \$75 until January 5, 2024 (at 12:00 pm CT)
 - 2 Days (Wed & Thur) \$150 until January 5, 2024 (at 12:00 pm CT)
- After January 5, 2024 (after 12 pm CT):
 - 1 Day (Wed or Thur) \$150 January 6 - January 25 (at 4:00 pm CT)
 - 2 Days (Wed & Thur) \$250 January 6 - January 25 (at 4:00 pm CT)

CANCELLATION POLICY


There will be a 50% per person fee for cancellations received on or before January 17, 2024. Substitutions or name changes can also be made through by emailing bsc.training@bismarckstate.edu through Wednesday, January 17, 2024.

SOCIAL EVENTS

- Be sure to join us for the Exhibitor Showcase Social at the Event Center Exhibit Hall on Tuesday, January 23, 2024, from 4:30 to 6:00 pm.
- On Wednesday, join us for an afternoon networking reception. We'll have appetizers and a cash bar in the Exhibit Hall! The reception will run from 4:30 pm - 5:30 pm.
- Wrap up your Wednesday with Casino Night - our popular wheel and deal evening at the Bismarck Hotel & Conference Center. Festivities kick off at 6:30 pm and run until 10:00 pm. Great door prizes and games make Casino Night a must attend event!

BULK REGISTRATION

If your organization plans to register 5 or more participants, let us know! Group registration or "bulk" registration may be an option to help speed up your registration process.

 If you have any questions, please call our office at **701-224-5600** or **877-846-9387**.

PRE-REGISTRATION IS ONLINE ONLY

Please note: We are part of the North Dakota University System, so many of the terms used on the registration site refer to "student." This term encompasses vendors, exhibitors, companies and participants as well.

You will be required to create a student account. You will use this account anytime you wish to register for a BSC coordinated event in the future. If you have registered with us before and cannot remember your username, call 701-224-5600 (1-877-846-9387) and our staff would be happy to help you! If you know your username but not your password, click **Forgot Your Password?**

Please note that due to increased system security and PCI compliance, we are no longer able to access your passwords in our registration system. If you are not able to access your account, please reset your password through the "Forgot your Password" link on the profile sign-in page.

To guide you through this new process, step-by-step instructions will be available on the EPIC website ndepic.com/register or by scanning the QR code below.

Participants that do not register prior to arriving on site will also use the online system to complete this process when they arrive at the conference.



AFTERNOON KEYNOTE: EXHIBIT HALL A

THE SURVIVOR WAY

3:30 pm - 4:30 pm, Wednesday, January 24, 2024 and
2:30 pm - 3:30 pm, Thursday, January 25, 2024



Holly Hoffman
Inner Depths, LLC

As we survive life's challenges, we come face-to-face with fear and uncertainty. Challenges may allow us to step out of our comfort zone and push ourselves above and beyond our own self-limitations. It's how we choose to overcome challenges that make us who we are in life. It is our strength in times of difficulty that prove our character and self-worth.

As she shares her experience of being on a reality show, Holly encourages participants to think about how they decide to survive on a daily basis. She will also encourage participants to think about six words to develop personal survival skills. With six simple words, it's possible to take on any challenge. Adversity is not so much contending with problems as it is learning more about who you really are and what is inside of you.

Join Holly and explore your true survival skills!

2024 EPIC PRE-CONFERENCE SESSIONS

INDUSTRIAL CHANGES TO THE 2023 NATIONAL ELECTRICAL CODE

In this session you will learn about the latest updates to the 2023 NEC. The NEC is a critical tool for electrical personal, from designers and installers to inspectors and operators, and will help protect your facility and your personal. The latest published updates include five major changes - removal of Article 720, cable class changes to Classes 2 3 and 4 (which is new), changes to Article 725, a new Article 726 for Class 4 circuits and changes to Article 727. Make sure to attend to stay on top of these important changes. *This presentation is approved by the ND Electrical Board for 8 hours of code.*

Speaker: Dr. Frog (Larren Elliott), Training Technology
Date: Tuesday, January 23, 2024
Time: 8:00 am - 4:30 pm
Room: Prairie Rose Room 105
Registration fee: \$200

A MANAGEMENT GUIDE TO HEALTHY CONFLICT

Progress doesn't happen without conflict. While conflict often carries a negative connotation, "Healthy Conflict" is essential to making teams more effective. High-functioning teams need conflict to push them to new levels of achievement and leaders have an essential role in fostering this healthy environment. This session provides tangible tools and methods to help leaders stop destructive conflict cycles, encourage healthy conflict, and establish communication systems to encourage meaningful team dialogue.

Speaker: Kristen McReynolds, EAPC
Date: Tuesday, January 23, 2024
Time: 1:00 pm - 4:30 pm
Room: Prairie Rose Room 103
Registration fee: \$175

BE THE LEADER OTHERS WANT TO FOLLOW

John Maxwell teaches that everything worthwhile is uphill. We also know many still try to make the climb with downhill habits, especially in today's everyday busyness. We also recognize that many feel overwhelmed and stressed by the higher demands and increased workloads. In this session, we will unlock the secrets of what an effective leader does daily to set themselves up for success. You will also learn key leadership strategies that will result in you increasing your leadership lid that will gain you greater respect and influence among your peers. Ultimately, becoming a leader others want to follow.

Speaker: Deb Eslinger, Eslinger Consulting LLC
Date: Tuesday, January 23, 2024
Time: 8:00 am - 12:00 pm
Room: Prairie Rose Room 103
Registration fee: \$225

CENTRIFUGAL PUMP AND MECHANICAL SEAL BASICS

In this 4 hour pre conference session we will cover the topics of centrifugal pump operation, how to read pump curves, selecting the correct pump for your application, key features of a reliable mechanical seal and seal flush plans.

Speaker: Jim Swallow, Chesterton
Date: Tuesday, January 23, 2024
Time: 8:00 am to 12:00 pm
Room: Prairie Rose Room 102
Registration fee: \$175

EVOLVING MONITORING RULES FOR POWER GENERATION

This class addresses the new regulations and other issues affecting emissions monitoring at electric generating facilities. EPA is proposing more stringent particulate and mercury emission limits, major changes to the monitoring options under the MATS Rule, and new GHG regulations that would radically change the power sector. The introduction of carbon capture to reduce GHGs will require changes to the way emission monitoring has traditionally been performed. Major changes to emissions reporting are also underway reflecting revisions to ECMPS and the new MATS rule requirements. Come learn about these changes and how to address compliance at your facility.

Speaker: Steve Norfleet, Agora Environmental Consulting
Date: Tuesday, January 23, 2024
Time: 9:00 am - 2:30 pm
Room: Cottonwood/Birch Rooms
Registration fee: \$350

FALL PROTECTION AWARENESS - GENERAL INDUSTRY

Falls are among the most common causes of serious work-related injuries and deaths. Knowing when fall protection is necessary, and when it's not, is important. This awareness course will help workers and employers better understand OSHA's requirements and the reasons behind them.

Speaker: John Young, North Dakota Safety Council
Date: Tuesday, January 23, 2024
Time: 12:00 pm - 4:30 pm
Room: Prairie Rose Room 101
Registration Fee: \$165

IMPORTANCE OF INSPECTING BETWEEN BEARING PUMPS DURING REPAIR

This workshop will help you learn what to look for during your inspection process of repairing a between bearing pump. Topics covered include identifying critical dimensions and runout points, inspection of components, and best practices.

Speaker: Dean Richardson, Flowserve
Date: Tuesday, January 23, 2024
Time: 8:00 am - 4:30 pm
Room: Oak/Pine Rooms
Registration fee: \$200

SKILLFUL COLLABORATION

Skillful Collaboration is a soft-skills training program that helps employees make sense of collaboration at work. From setting common objectives, defining roles, and establishing processes to communication strategies, troubleshooting obstacles, and building networks, this program focuses on how to structure an effective framework that enables individuals to develop harmonious and productive working relationships.

Speaker: Carla Hixson, for TrainND SW
Date: Tuesday, January 23, 2024
Time: 1:00 pm - 4:00 pm
Room: Prairie Rose Room 103
Registration fee: \$150

PUMP HYDRAULICS AND PUMP/SYSTEM INTERACTION

The first half of this session addresses how to read centrifugal pump curves, the significance of the best efficiency point, and the importance of minimum flow. Pump and system curve interaction is addressed in detail, as is the effect of undersized and oversized pumps. Classic cavitation and recirculation-induced cavitation are explained thoroughly, as is net positive suction head required (NPSHR). Other topics include running dissimilar pumps in parallel, flat and steep system curves, the effect of pump wear on performance, and sump design. The second half of the session addresses advanced concepts, such as specific speed, suction specific speed, the pump affinity laws, and the siphon effect. It includes a detailed example of how to calculate NPSH available in the field. Numerous field examples are presented. *This session is a continuation from the 2023 pre-conference presentation at EPIC.*

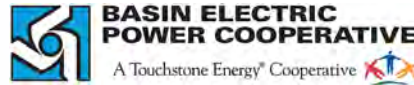
Speaker: Scott Shults, IIT Goulds Pro Services
Date: Tuesday, January 23, 2024
Time: 8:00 am to 4:30 pm
Room: Linden/Maple Rooms
Registration fee: \$200

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HOTEL ACCOMMODATIONS

Americas Best Value Inn & Suites

1505 Interchange Ave. - Bismarck, ND
 (701) 223-8060

Baymont Inn & Suites

2611 Old Red Trail - Mandan, ND
 (701) 663-7401

Bismarck Hotel & Conference Center

800 S 3rd Street - Bismarck, ND
 (701) 660-8063

Candlewood Suites

4400 Skyline Crossing - Bismarck, ND
 (701) 751-8900

Comfort Inn & Suites Mandan

1516 - 27th Street NW - Mandan, ND
 (701) 751-7484

Comfort Inn (Bismarck)

929 Gateway Ave - Bismarck, ND
 (701) 223-4009

Courtyard by Marriott

3319 N. 14th Street - Bismarck, ND
 (701) 223-6667

EverSpring Inn & Suites

200 Bismarck Expressway - Bismarck, ND
 (701) 222-2900

Expressway Suites

180 E Bismarck Expressway - Bismarck, ND
 (701) 222-3311

Fairfield Inn & Suites North

1120 E. Century - Bismarck, ND
 (701) 223-9077

Hampton Inn & Suites

2020 Schafer Street - Bismarck, ND
 (701) 751-8900

Holiday Inn of Bismarck

3903 State Street - Bismarck, ND
 (701) 751-8240

Quality Inn

1030 E Interstate Ave. - Bismarck, ND
 (701) 223-1911

Radisson Hotel Bismarck

605 E Broadway Ave. - Bismarck, ND
 (701) 712-6475

Ramada Bismarck Hotel

1400 E Interchange Ave. - Bismarck, ND
 (701) 258-7000

Residence Inn Bismarck North

3421 N. 14th Street - Bismarck, ND
 (701) 258-6088

Wingate by Wyndham Bismarck

1421 Skyline Blvd. - Bismarck, ND
 (701) 751-2373

2024 EPIC SESSION MATRIX

WEDNESDAY MORNING | January 24, 2024

8:00 - 9:00 am		
Keynote Speaker	The Energy Transition...What Energy Transition?	
<i>Exhibit Hall A</i>	<i>Robert Bryce</i>	
<i>Vendor/Networking Time (9:15 am - 10:00 am)</i>		
Track/Room	10:00 am - 10:50 am	11:00 am - 11:50 am
<i>Prairie Rose Rm 103</i>	Rethinking Solutions through Problem Solving Lenses <i>Lisa Gusewelle, Red River Valley Writing Project</i>	Managing Organizational & Cultural Change <i>Cole Bachmeier</i>
<i>Prairie Rose Rm 104</i>	Reliability Improvements for Coal Fired Units <i>Scott Vargo, Kiewit</i>	Critical Factors for Project Execution and Integration of Energy Storage - Kiewit <i>Joel Lundquist, Kiewit</i>
<i>Cottonwood/Birch Room</i>		Arc Flash: NFPA 70E Standard and Your Electrical Maintenance: ARE YOU PREPARED? <i>Joseph Schommer, RESAPOWER</i>
<i>Pine Room</i>	So How Strong is that Boiler Endosure Wall? <i>Jeffrey Veness, Babcock & Wilcox</i>	How Gasket Selection Can Solve Common Failure Modes & Leaks <i>Eric Fusselier, Flexitallic</i>
<i>Spruce Room</i>	Sharpening Drill Bits <i>Leland Vetter, Weld Inspection Services</i>	Reimagining Automation <i>Michael Martinez, Schneider Electric</i>
<i>Prairie Rose Rm 101</i>	The Workforce Landscape in ND <i>Katie Ralston-Howe, ND Dept. of Commerce</i>	
<i>Prairie Rose Rm 102</i>	Beulah and Mercer County - Preparing for the Critical Minerals Industry <i>Beaver Brinkman, City of Beulah</i>	A Path to Decarbonization Utilizing Hydrogen in Gas Turbines <i>Sandeep Bhosale, Mitsubishi Power Americas</i>
<i>Prairie Rose Rm 105</i>	North Dakota's Power <i>Ryan Rayda, Barr Engineering; Jonathan Fortner, Lignite Energy Council; John Weeda, Senior Advisor to the Energy Industry; Moderated by Mike Holmes, Lignite Energy Council</i>	
<i>Maple Room</i>		Steam System Distribution <i>Scott Preuss, TVL Corp</i>
<i>Linden Room</i>	Importance of Inspecting Between Bearing Pumps During Repair: An Overview <i>Dean Richardson, Flowserve</i>	
<i>Vendor/Networking Time (11:50 am - 1:00 pm)</i>		

WEDNESDAY AFTERNOON | January 24, 2024

Room	1:00 pm - 1:50 pm	2:00 pm - 2:50 pm
Prairie Rose Rm 101	North Dakota One Call – Rules, Regulations and Best Practices <i>Ryan Schmaltz, One Call Concepts, Inc. • North Dakota One Call</i>	Rare Earth Elements from Lignite - Pilot Plant Update <i>Nolan Theaker, University of North Dakota - CEMRI</i>
Prairie Rose Rm 102	Lead Simply <i>Holly Hoffman, Inner Depths, LLC</i>	Generational Differences <i>Dr. Sovak, University of Mary</i>
Prairie Rose Rm 103	Improving process efficiency while reducing energy costs in solvent-based CO2 capture processes <i>Cesar Martinez, Endress+Hauser</i>	Carrot, Stick, or Logic: Keys to Motivation <i>Kevin Miller, ITCB Consulting</i>
Prairie Rose Rm 104		The (Latest) Proposed Fossil Generation CO2 Emission Rule: A Summary and Assessment of Possible Impacts <i>Brian Petermann, POWER Engineers</i>
Prairie Rose Rm 105	Rainbow Energy Center: Reimagining Low Carbon Power Production <i>Stacy Tschider, Rainbow Energy Center</i>	EPA's Legacy CCR Rule <i>Kevin Solie, Barr Engineering</i>
Cottonwood/Birch Room	Wind: Day in the Life of a Wind Technician <i>Chase Dauenhauer, NextEra Energy</i>	Solving Conveyor Application Problems <i>Garrett Ashburn, Rock Machinery</i>
Pine Room	Impact of Fast Start, Fast Ramp, and Higher Number of Start Cycles in a Peaking Application on Plant Operations and Maintenance <i>Dayal Bhupinder, GE</i>	Technologies and Autonomous impacting OT <i>Vijay Vallala, Schneider Electric Systems, Ltd</i>
Spruce Room	Decarbonization Technology Updates for the Low-Carbon Energy Transition <i>John Bullock, Babcock & Wilcox</i>	Removing Broken Studs, Drills, Taps and Bolts <i>Leland Vetter, Weld Inspection Services</i>
Oak Room	Pump Hydraulics and Pump/System Interaction <i>Scott Shults, ITT Goulds Pro Services</i>	
Linden Room	Drugs - Signs & Symptoms in the Workplace <i>Travis Jacobson, Minnesota Power</i>	
Ice Cream Social - Exhibit Hall B - 3:00 pm		
WEDNESDAY GENERAL SESSION		
3:30 PM - 4:30 PM		
Closing Keynote Speaker	The Survivor Way <i>Holly Hoffman, Inner Depth, LLC</i>	
Exhibit Hall A		



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We are excited to announce the app for EPIC - 2024, powered by Guidebook, is now available. With this resource, you have access to the most up-to-date information as well as networking tools.

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Tap "Download the app" to access the guide on your iOS and Android device.

2024 EPIC SESSION MATRIX

THURSDAY MORNING | January 25, 2024

8:00 am - 9:00 am	
Keynote Speaker	The Energy Transition...What Energy Transition?
<i>Exhibit Hall A</i>	<i>Robert Bryce</i>
<i>Vendor/Networking Time (9:15 am - 10:00 am)</i>	
Track/Room	10:00 am - 10:50 am
<i>Prairie Rose Rm 103</i>	Harness the Power of ChatGPT in the Energy Sector <i>Lisa Gusewelle, Red River Valley Writing Project</i>
<i>Prairie Rose Rm 104</i>	Update and Implications of the EPA's Electric Generating Unit's Greenhouse Gas Rule <i>John Giles, Kiewit</i>
<i>Cottonwood/Birch Room</i>	Solving Conveyor Application Problems <i>Garrett Ashburn, Rock Machinery</i>
<i>Pine Room</i>	Generational Differences <i>Dr. Sovak, University of Mary</i>
<i>Spruce Room</i>	Removing Broken Studs, Drills, Taps and Bolts <i>Leland Vetter, Weld Inspection Services</i>
<i>Prairie Rose Rm 101</i>	A future outlook of the ND energy industry... and the workforce it demands <i>Tracey Miller, ND Dept. of Commerce</i>
<i>Prairie Rose Rm 102</i>	Technologies and Autonomous impacting OT <i>Vijay Vallala, Schneider Electric Systems, Ltd</i>
<i>Prairie Rose Rm 105</i>	The Williston Basin CORE-CM Initiative <i>John Kay, EERC</i>
<i>Oak Room</i>	Arc Flash: NFPA 70E Standard and Your Electrical Maintenance: ARE YOU PREPARED? <i>Joseph Schommer, RESAPOWER</i>
<i>Linden Room</i>	Reasonable Suspicion of Drugs <i>Travis Jacobson, Minnkota Power</i>
<i>Maple Room</i>	Steam System Distribution <i>Scott Preuss, TVL Corp</i>
<i>Vendor/Networking Time (11:50 am - 1:00 pm)</i>	

THURSDAY AFTERNOON | January 25, 2024

Room		1:00 pm - 1:50 pm	
Prairie Rose Rm 101	North Dakota One Call – Rules, Regulations and Best Practices	Pine Room	Sharpening Drill Bits
	<i>Ryan Schmaltz, One Call Concepts, Inc. • North Dakota One Call</i>		<i>Leland Vetter, Weld Inspection Services</i>
Prairie Rose Rm 102	Lead Simply	Spruce Room	How Gasket Selection Can Solve Common Failure Modes & Leaks
	<i>Holly Hoffman, Inner Depths, LLC</i>		<i>Eric Fuselier, Flexitallic</i>
Prairie Rose Rm 103	Appreciation Tactics to Attract, Retain, and Motivate	Oak Room	Reimagining Automation
	<i>Kevin Miller, ITCB Consulting</i>		<i>Michael Martinez, Schneider Electric</i>
Prairie Rose Rm 104	Decarbonization Technology Updates for the Low-Carbon Energy Transition	Linden Room	Beulah and Mercer County - Preparing for the Critical Minerals Industry
	<i>John Bullock, Babcock & Wilcox</i>		<i>Beaver Brinkman, City of Beulah</i>
Prairie Rose Rm 105	Making Dollars and Sense Out of the 2022 IRA Clean Energy Tax Credits	Maple Room	A future outlook of the ND energy industry... and the workforce it demands
	<i>Brian Petermann, POWER Engineers</i>		<i>Tom Oakland and Tracey Miller, ND Dept of Commerce</i>
Cottonwood/Birch Room	Wind: Day in the Life of a Wind Technician		
	<i>Chase Dauenhauer, NextEra Energy</i>		
<i>Ice Cream Social - Exhibit Hall B - 2:30 pm</i>			
THURSDAY GENERAL SESSION			
2:30 pm - 3:30 pm			
Closing Keynote Speaker	The Survivor Way		
Exhibit Hall A	<i>Holly Hoffman, Inner Depth, LLC</i>		

LAST CHANGE TO VISIT EXHIBITOR HALL BEFORE TEAR DOWN 2:00 - 2:30 PM!

Join us for

ICE CREAM

**WEDNESDAY - 3:00 PM, EXHIBIT HALL B-D (WEST END)
THURSDAY - 2:00 PM, EXHIBIT HALL A**

Thank you Silver Sponsors!



2024 EPIC BREAKOUT SESSIONS

A FUTURE OUTLOOK OF THE ND ENERGY INDUSTRY... AND THE WORKFORCE IT DEMANDS

Tracey and her team will present several projects on the horizon in the North Dakota energy economy. We will discuss the integration with existing operations along with outlook for workforce demands. We will look at our existing workforce data and talk about how ND is working to bring interest into our state and specifically value-added energy sectors.

Date: Thursday, January 25, 2024

Time: 1:00 pm - 1:50 pm

Speaker: Tracey Miller and Tom Oakland, North Dakota Dept. of Commerce

Room: Maple Room

A PATH TO DECARBONIZATION UTILIZING HYDROGEN IN GAS TURBINES

At present, the majority of energy production in the world relies on dispatchable and reliable thermal power using affordable and safe fossil fuels. Mitsubishi Power has set a course for energy transition solutions for the expansion of renewable energy sources without compromising economic efficiency and has laid out a roadmap for technological development to achieve decarbonization. As a leading provider of power generation technologies and solutions, Mitsubishi Power is working to apply non-CO₂ emitting fuels such as hydrogen to power generation for reducing CO₂ emissions and decarbonizing thermal power generation.

Date: Wednesday, January 24 and Thursday, January 25, 2024

Time: 11:00 am - 11:50 am

Speaker: Sandeep Bhosale, Mitsubishi Power Americas

Room: Prairie Rose Room 102

APPRECIATION TACTICS TO ATTRACT, RETAIN & MOTIVATE

One of most important and powerful management tools to master is appreciation. To maximize the morale, motivation and retention of your team, a manager must select one of the five types of appreciation and apply it in a way that is genuine, meaningful, and lasting. Organizations spend hundreds of thousands of dollars on appreciation tactics that are ineffective and even demotivating. In this session we will reveal the five types of motivation, common mistakes, and how to personalize appreciation to attract, retain and motivate your team.

Date: Thursday, January 25, 2024

Time: 1:00 pm - 1:50 pm

Speaker: Kevin Miiller, ITCB Consulting

Room: Prairie Rose Room 103

ARC FLASH: NFPA 70E STANDARD AND YOUR ELECTRICAL MAINTENANCE: ARE YOU PREPARED?

The world of electrical hazards, protection and accident prevention can be a confusing place. Hundreds of deaths and thousands of injuries can be avoided each year by following the NFPA 70E: Standard for Electrical Safety in the Workplace. Be prepared by arming yourself with the knowledge of the types of electrical hazards and the effects of electrical shock and flash. This session will identify the need for electrical safety as well as electrical maintenance and safety programs. You will learn about arc flash hazard risk assessment, personal protective equipment (PPE) and shock and arc flash approach boundaries. Reduce your liability concerns while establishing a culture of safe work practices among employees after attending this session.

Date: Wednesday, January 24 and Thursday, January 25, 2024

Time: 11:00 am - 11:50 am

Speaker: Joseph Schommer, RESAPOWERR

Room: Cottonwood/Birch Rooms

BEULAH AND MERCER COUNTY - PREPARING FOR THE CRITICAL MINERALS INDUSTRY

In preparation for potential new industries which include critical minerals, the city of Beulah and Mercer county have been preparing for an expanded workforce in the region. This session will provide detail of these planning activities.

Date: Wednesday, January 24 and Thursday, January 25, 2024

Time: 10:00 am - 10:50 am (day 1) and 1:00 pm - 1:50 pm (day 2)

Speaker: Granville (Beaver) Brinkman, City of Beulah

Room: Prairie Rose Room 102

CARROT, STICK, OR LOGIC: KEYS TO MOTIVATION

"I treat everyone the same!" (said no great leader ever). Great leaders know that using the same tactics to motivate every team member simply doesn't work. Some will be highly motivated and others not so much. Over time, unmotivated team members won't pull their weight, demotivating the entire team and increasing turnover. This session is all about motivation, identifying the types and matching specific motivation tactics to each team member. These can be some of the most powerful management tools you have.

Date: Wednesday, January 24, 2024

Time: 2:00 pm - 2:50 pm

Speaker: Kevin Miiller, ITCB Consulting

Room: Prairie Rose Room 103

CRITICAL FACTORS FOR PROJECT EXECUTION AND INTEGRATION OF ENERGY STORAGE

The growth in renewables generation has brought about interests in not just short-term energy storage such as battery energy storage systems but also long duration energy storage systems, eight hours of storage or greater. Energy storage is a critical piece of the puzzle to support the reliability of renewables for when the wind is not blowing, or the sun is not shining. We will talk about some of the front runners in short, medium, and long duration energy storage. We will look at some of the positives and negatives of the technologies as well as generalized economics and government drivers. We will talk about the impact of technical readiness level and ease of implementation on the ability for technologies to be executed. We will discuss the key factors that need to be considered when looking at project execution and what will drive success or failure moving forward with different technologies. Issues such as constructability, supply chain, OEM support, infrastructure readiness, market and industry adoption will be discussed, along with their impact on project success.

Date: Wednesday, January 24 and Thursday, January 25, 2024

Time: 11:00 am - 11:50 am

Speaker: Joel Lundquist, Kiewit

Room: Prairie Rose Room 104

DCS LOGIC UPGRADES FOR FUEL VARIABILITY & TURNDOWN

North Dakota lignite poses challenges for operations and NOx emissions compliance due to its variability. The standard DCS BTU compensation logic is often insufficient for handling the variability and changes in lignite and coal based on load instead of fuel HHV. This complicates operations. The use of cooling/"idle" air from out-of-service cyclones causes in-service cyclone SR variation and combustion issues at low load. We will showcase case studies that demonstrate improved BTU compensation and air flow logic, resulting in consistent cyclone SR control and improved combustion. Benefits include: Lower maintenance costs for slagged cyclones • Reduced LOI, NOx emissions and control costs • Lower minimum loads • Improved operating flexibility and heat rates, especially at lower loads

Date: Thursday, January 25, 2024

Time: 11:00 am - 11:50 am

Speaker: Frank Fowler, SmartBurn

Room: Prairie Rose Room 102

DECARBONIZATION TECHNOLOGY UPDATES FOR THE LOW-CARBON ENERGY TRANSITION

This session will provide updates on several decarbonization technologies. The process and use, as well as the status of commercial application, for each of these technologies will be presented. This includes post-combustion and oxygen combustion technologies for carbon capture, as well as a chemical looping process which can convert a range of solid, gaseous or liquid fuels into multiple products including hydrogen, syngas and/or steam. The discussion will also include a discussion on pre-treating flue gas which is vital for the operation and economics of the carbon capture process to result in optimum effectiveness.

Date: Wednesday, January 24 and Thursday, January 25, 2024

Time: 1:00 pm - 1:50 pm

Speaker: John Bullock, Babcock & Wilcox

Room: Spruce Room (day 1) and Prairie Rose Room 104 (day 2)

DRUGS - SIGNS & SYMPTOMS IN THE WORKPLACE

The use of drugs can do some interesting things to the human body, much of which cannot be controlled by the person using. There are signs and symptoms that can be used to determine use of drugs, including several things a person can look at to determine if someone is under the influence. This session will provide some tools to help supervisors and coworkers determine if someone is under the influence of drugs.

Date: Wednesday, January 24, 2024

Time: 1:00 pm - 2:50 pm

Speaker: Travis Jacobson, Minnkota Power Cooperative

Room: Linden Room

EPA'S LEGACY CCR RULE

The EPA's proposed Legacy CCR Rule aims to increase the number of units regulated by federal CCR regulations. This will include both existing CCR surface impoundments and newly defined "CCR management units." This retroactive expansion of the CCR Rule could potentially result in additional requirements for electric utilities in North Dakota. The purpose of this session will be to address the implications of the proposed rule, including applicability, regulatory requirements, and timelines for compliance.

Date: Wednesday, January 24, 2024

Time: 2:00 pm - 2:50 pm

Speaker: Kevin Solie, Barr Engineering Company

Room: Cottonwood/Birch Rooms

GENERATIONAL DIFFERENCES

This session will explore the changes in our economy, from agricultural to service, and the generational makeup of the demographics of each organization. We will discuss the characteristics of each generation as they relate to workplace dynamics, including motivation, grit, perseverance, reliability, trust and productivity. We will also explore how Artificial Intelligence (AI) interacts and impacts each generation.

Date: Wednesday, January 24, 2024 and Thursday, January 25, 2024

Time: 2:00 pm - 2:50 pm (day 1) and 10:00 am - 10:50 am (day 2)

Speaker: Dr. Karol Sovak, University of Mary

Room: Prairie Rose Room 102 (day 1) and Pine Room (day 2)

HARNESS THE POWER OF CHATGPT IN ENERGY

In this session, we will delve into the capabilities of ChatGPT, an advanced AI language model developed by OpenAI. We will take an in-depth look at how ChatGPT functions and its transformative applications across industries. You will see how this technology can be leveraged in the energy industry for tasks such as data analysis, predictive maintenance, and customer service. There will also be hands-on experience with ChatGPT, where we will brainstorm and discuss its potential applications in their specific roles. This session aims to empower energy professionals to integrate and utilize AI, paving the way for streamlined operations, improved decision-making, and innovative growth within your companies.

Date: Thursday, January 25, 2024

Time: 10:00 am - 10:50 am

Speaker: Lisa Gusewelle, Red River Valley Writing Project

Room: Prairie Rose Room 103

THE CHALLENGE OF SEALING DURING CYCLIC SERVICE" UPDATED AFTER ALISON'S COMMENT DUE TO PRESENTER UPDATE

In the session we will cover a series of cyclic applications, the challenges behind each application and how they were successfully sealed.

Date: Thursday, January 25, 2024

Time: 2:00 pm - 2:50 pm

Speaker: Eric Fuselier, Flexitallic

Room: Spruce Room

HOW THE SOUTHWEST POWER POOL RTO MANAGES THE POWER GRID

Southwest Power Pool is a Regional Transmission Organization that manages the electric grid for the central portion of the United States. Participants will gain understanding of how SPP manages the bulk electric system over a 14 state area. Operational aspects include market commitments and dispatch, transmission planning and expansion, and reliable operations.

Date: Thursday, January 25, 2024

Time: 11:00 am - 11:50 am

Speaker: Bruce Rew, Southwest Power Pool, Inc.

Room: Cottonwood/Birch Rooms

IMPACT OF FAST START, FAST RAMP, AND HIGHER NUMBER OF START CYCLES IN A PEAKING APPLICATION ON PLANT OPERATIONS AND MAINTENANCE

In the global fight against climate change, countries and utilities want to bring more renewables online. But unpredictable weather means that utilities need a way to step in to generate power from another source when the wind stops blowing or sun is not shining anymore. In this session, we will explore the challenges posed by the high penetration of renewable energy and explain how Aeroderivative gas turbines are an ideal solution for backing up the grid. These turbines are based on advanced jet engine technology, which allows them to withstand cyclic duty and their lightweight design enables them to operate efficiently under high thermal stress gradients and concentrations. This design has significantly increased the low-cycle fatigue life helping utilities manage the intermittency of renewables on the grid. Real plant data will also be discussed in this session.

Date: Wednesday, January 24 and Thursday, January 25, 2024

Time: 1:00 pm - 1:50 pm (day 1) and 11:00 am - 11:50 am (day 2)

Speaker: Dayal Bhupinder, GE Gas Power

Room: Pine Room

OVERVIEW: IMPORTANCE OF INSPECTING BETWEEN BEARING PUMPS DURING REPAIR

This session will provided an overview of what to look for during your inspection process of repairing a between bearing pump. Topics covered include identifying critical dimensions and run-out points, inspection of components, and best practices.

Date: Wednesday, January 24, 2024

Time: 100 am to 11:50 am - 11:50 am

Speaker: Dean Richardson, Flowserve

Room: Linden Room

IMPROVING PROCESS EFFICIENCY WHILE REDUCING ENERGY COSTS IN SOLVENT-BASED CO₂ CAPTURE PROCESSES

45Q tax credits are fixed for CCUS, and process efficiency and cost control are key elements to ensure projects feasibility and ensure ROIs within the expected timeline. Latest technological developments provide can process efficiency monitoring and insights for process control improvement, leading to energy savings and process efficiency.

Date: Wednesday, January 24, 2024

Time: 1:00 pm - 1:50 pm

Speaker: Cesar Martinez, Endress+Hauser

Room: Prairie Rose Room 103

LEAD SIMPLY

Leadership is not complex. Leadership at its core, is simple, but not always easy. A simple leadership framework consists of three words: 1. Model 2. Connect 3. Involve

True leadership is not just words, it's action. We must model the behavior we want to see, connect with the people you lead, and involve them as much as possible. During this session you will identify and discover what you want to see more and less of in your leadership skills to create that special team of people.

Date: Wednesday, January 24 and Thursday, January 25, 2024

Time: 1:00 pm - 1:50 pm

Speaker: Holly Hoffman, Inner Depth, LLC

Room: Prairie Rose Room 105

MAKING DOLLARS AND SENSE OUT OF THE 2022 IRA CLEAN ENERGY TAX CREDITS

The Inflation Reduction Act (passed in August 2022) allows a broad range of tax credits for clean energy development. Highlights of the act include hydrogen, renewable energy, carbon capture and sequestration, and clean fuels. The amount of money available is monumental and will broadly impact the entire energy industry in some manner. Though IRS guidelines are only beginning to be issued, a great deal can be learned about positive financial impacts on potential future clean energy project developments. This session is an introduction to the clean energy tax credits, differences between investment and production credits, and provides several examples of the possible application.

Date: Thursday, January 25, 2024

Time: 1:00 - 1:50 pm

Speaker: Brian Petermann, POWER Engineers

Room: Prairie Rose Room 105

MANAGING ORGANIZATIONAL & CULTURAL CHANGE

Progress doesn't happen without conflict. While conflict often carries a negative connotation, "Healthy Conflict" is essential to making teams more effective. High-functioning teams need conflict to push them to new levels of achievement and leaders have an essential role in fostering this healthy environment. This session will provide tangible tools and methods to help leaders stop destructive conflict cycles, encourage healthy conflict, and establish communication systems to encourage meaningful team dialogue.

Date: Wednesday, January 24 and Thursday, January 25, 2024

Time: 11:00 am - 11:50 am

Speaker: Cole Bachmeier

Room: Prairie Rose Room 103

NORTH DAKOTA ONE CALL - THE RULES, REGULATIONS, AND BEST PRACTICES

This session aims to inform attendees on the importance of 'Call Before You Dig.' You will learn this by showing how the one call system works, different laws that are in place that they are required to follow, and provide information on some past damages and how they could have been avoided.

Date: Wednesday, January 24 and Thursday, January 25, 2024

Time: 1:00 pm - 1:50 pm

Speaker: Ryan Schmaltz, One Call Concepts, Inc. • North Dakota One Call

Room: Prairie Rose Room 101

NORTH DAKOTA'S POWER

This session will focus on North Dakota's electrical power system. Topics covered will include the 2023 power demand forecast study update, MISO planning developments and SPP planning and the ND transmission outlook.

Date: Wednesday, January 24, 2024

Time: 10:00 am - 11:50 am

Speakers: Ryan Rayda, Barr Engineering; Jonathan Fortner, Lignite Energy Council; John Weeda, Senior Advisor to the Energy Industry, Michael Holmes, Lignite Energy Council (moderator)

Room: Prairie Rose Room 105

PUMP HYDRAULICS AND PUMP/SYSTEM INTERACTION: AN OVERVIEW

This session discusses how to read centrifugal pump curves, the significance of the best efficiency point, and the importance of minimum flow. Pump and system curve interaction is addressed in detail, as is the effect of undersized and oversized pumps. Classic cavitation and recirculation-induced cavitation are explained thoroughly, as is net positive suction head required (NPSHR). Other topics will include running dissimilar pumps in parallel, flat and steep system curves, and the effect of pump wear on performance. Numerous field examples will be presented.

Date: Wednesday, January 24, 2024

Time: 1:00 pm - 2:50 pm

Speaker: Scott Shults, IIT Goulds Pro Services

Room: Oak Room

RAINBOW ENERGY CENTER - REIMAGINING LOW-CARBON POWER PRODUCTION

Rainbow Energy Center is a leader of waste minimization and carbon reduction in the power producing sector. Their unique approach is one that can be duplicated across the industry as carbon neutral goals are targeted across the United States.

Date: Wednesday, January 24, 2024

Time: 1:00 pm - 1:50 pm

Speaker: Stacy Tschider, Rainbow Energy Center

Room: Prairie Rose Room 105

RARE EARTH ELEMENTS FROM LIGNITE - PILOT PLANT UPDATE

This session will include an update on the construction and operation of a pilot-scale rare earth element extraction facility. Results from extractions including North Dakota lignite will be presented as well as future plans for the technology.

Date: Wednesday, January 24, 2024

Time: 2:00 pm - 2:50 pm

Speaker: Nolan Theaker, University of North Dakota - CEMRI

Room: Prairie Rose Room 101

REASONABLE SUSPICION OF DRUGS

In order for employers to keep a safe working environment for their employees, it is important to have a reasonable suspicion program in place. This session will touch on some signs and symptoms that employers can use to formulate reasonable suspicion and potentially lead to drug testing the employee. Knowing more will give supervisors and employers a boost of confidence to help them act on signs and symptoms of potential use, and help them feel comfortable going to the next level to report reasonable suspicion of drugs on the job. Travis will talk about what steps to take after you have formulated reasonable suspicion, including documentation, processes, testing and more.

Date: Thursday, January 25, 2024

Time: 10:00 am - 11:50 am

Speaker: Travis Jacobson, Minnkota Power Cooperative

Room: Linden Room

REIMAGINE AUTOMATION

What will the distributed control systems (DCS) and automation of tomorrow be like? Without a crystal ball, it's impossible to say for sure. But, between the pandemic and ensuing supply chain issues, rising input prices, and the push for greater sustainability, many industries are rethinking the way they approach manufacturing operations. Organizations need to be able to rapidly recalibrate their operations and output levels to stay competitive. Because of these and other factors, automation solutions of tomorrow will need to be significantly more flexible than they typically are today. We will look at the future of control technologies and how we can reimagine automation to achieve our desired business outcomes.

Date: Wednesday, January 24 and Thursday, January 25, 2024

Time: 11:00 am - 11:50 am (day 1) and 1:00 - 1:50 pm (day 2)

Speaker: Michael Martinez, Schneider Electric

Room: Spruce Room

RELIABILITY IMPROVEMENTS FOR COAL FIRED UNITS

With the continued increase in renewable energy throughout the US, coal units remain an important part of the energy portfolio as dispatchable power. Therefore, coal fired units need to be ready to operate in support of these dispatch orders. Unfortunately, because many coal units are slated to be shut down within the next decade, utilities do not always have the budgets to match the maintenance and upgrade needs of their units. This session will discuss some examples of economical upgrade and improvement projects that can be performed to keep coal fired units reliable and ready to meet today's grid demands without breaking the bank.

Date: Wednesday, January 24, 2024

Time: 10:00 am - 10:50 am

Speaker: Scott Vargo, Kiewit

Room: Prairie Rose Room 104

REMOVING BROKEN STUDS, DRILLS, TAPS AND BOLTS

Every welder, mechanic, farmer, just about everyone has broken a bolt in a hole. Join this session to learn the many different ways to get them out. We will also discuss practical ways to remove broken fasteners.

Date: Wednesday, January 24 and Thursday, January 25, 2024
Time: 2:00 pm - 2:50 pm (day 1) and 10:00 am - 10:50 am (day 2)
Speaker: Leland Vetter, Weld Inspection Services
Room: Spruce Room

RETHINKING SOLUTIONS THROUGH PROBLEM-SOLVING LENSES

This session is designed to unlock innovative thinking in the energy sector. We will dive into an ideation session aimed at stretching cognitive boundaries and leveraging personal experiences to navigate persistent challenges. Explore new perspectives on problem-solving, discover unique strategies, and harness the power of collective experience to generate actionable solutions for the energy industry's most pressing issues.

Date: Wednesday, January 24 and Thursday, January 25, 2024
Time: 10:00 am - 10:50 am
Speaker: Lisa Gusewelle, Red River Valley Writing Project
Room: Prairie Rose Room 103

STEAM SYSTEM DISTRIBUTION

In this session, we will discuss the importance of proper distribution - steam quality, proper drainage and waterhammer discussion. We will also review steam trap fundamentals in generic terms.

Date: Wednesday, January 24 and Thursday, January 25, 2024
Time: 11:00 am - 11:50 am
Speaker: Scott Preuss, TVL Corp.
Room: Prairie Rose Room 103

SHARPENING DRILL BITS

"I have a cell phone and a computer; my life has been taken over by AI but all I need to do is drill a hole! Help!" This session will show you just that! You will learn how to sharpen a drill and make it cut in this session. Everyone has trouble drilling holes, this discussion will help explain why.

Date: Wednesday, January 24 and Thursday, January 25, 2024
Time: 10:00 am - 10:50 am (day 1) and 1:00 pm - 1:50 pm (day 2)
Speaker: Leland Vetter, Weld Inspection Services
Room: Spruce Room

SO HOW STRONG IS THAT BOILER ENCLOSURE WALL?

Boiler systems are built to withstand a certain level of pressure within their walls, but the strength of these pressure boundaries has changed over time. Older power plants may not be as strong as newer models, as the criteria for equipment design has become more stringent. While many plants have retrofitted newer, stronger environmental equipment, this can leave older equipment as the weakest link in the system. This session will provide insight into the design of pressure boundaries and how the industry has evolved to what is used today, helping plant personnel manage the risks of operating older equipment.

Date: Wednesday, January 24 and Thursday, January 25, 2024
Time: 10:00 am - 10:50 am (day 1) and 11:00 am - 11:50 am (day 2)
Speaker: Jeffrey Veness, The Babcock & Wilcox Company
Room: Pine Room

SOLVING CONVEYOR APPLICATION PROBLEMS

This session will cover understanding conveyor components and tackle solving conveyor issues. That will include belt tracking, belt cleaning and containment.

Date: Wednesday, January 24 and Thursday, January 25, 2024
Time: 2:00 pm - 2:50 pm (day 1) and 10:00 am - 10:50 am (day 2)
Speaker: Garrett Ashburn, Rock Machinery
Room: Cottonwood/Birch Rooms

TECHNOLOGIES AND AUTONOMOUS IMPACTING OT

This session will discuss what customer challenges are today with automation systems, and how they are evolving. We will talk about how we can apply IT learnings and OT. Also, how will cyber security impact future OT systems? How do we define "autonomous" and what various technologies it will impact? Also, can we imagine the new OT world?

Date: Wednesday, January 24 and Thursday, January 25, 2024
Time: 10:00 am - 10:50 am (day 1) and 11:00 am - 11:50 am (day 2)
Speaker: Vijay Vallala, Schneider Electric Technologies
Room: Prairie Rose Room 103

THE (LATEST) PROPOSED FOSSIL GENERATION CO₂ EMISSION RULE: A SUMMARY AND ASSESSMENT OF POSSIBLE IMPACTS

On May 23, 2023 the latest EPA proposed rule on fossil fueled electric generation was published in the Federal Register. This proposed rule lowers CO₂ limits for new combustion turbines and proposes future limits and controls on existing coal fired generating units and certain large existing turbines. If it is finalized, it will dramatically impact existing and future fossil fired electric generation and hastening the renewable energy, hydrogen production, and carbon capture industries. This session will overview the proposed rule and describe the limits. Impacts already seen will be covered along with possible future impacts on the fossil generating industry.

Date: Wednesday, January 24, 2024
Time: 2:00 - 2:50 pm
Speaker: Brian Petermann, POWER Engineers
Room: Prairie Rose Room 104

THE WILLISTON BASIN CORE-CM INITIATIVE

Rare earth elements (REEs) and critical minerals (CMs) are essential for products used in everyday life but upsets in the world's markets have shown that their supply can be interrupted easily. The overall goal of the program is to secure a domestic supply of materials essential to health care, high technology, national security, and clean energy, which may catalyze economic growth and job creation. Sources of REEs and CMs have been identified in the Williston Basin and work is underway to characterize them. This session will summarize what the project has learned to date.

Date: Thursday, January 25, 2024
Time: 10:00 am - 10:50 am
Speaker: John Kay, EERC
Room: Prairie Rose Room 105

UPDATE AND IMPLICATIONS OF THE EPA'S ELECTRIC GENERATING UNIT'S GREENHOUSE GAS RULE

The EPA has released new draft greenhouse gas standards and guidelines under the Clean Air Act Section 111. These standards apply to electric generating units and aim to reduce carbon dioxide emissions from fossil-fired units. The rule states that all coal-fired units must be retrofitted with 90% carbon capture or retired by 2040. Additionally, certain gas-fired units must have carbon capture by 2035 or be able to co-fire with 96% hydrogen by 2038. This presentation will delve into the rule's details, its potential impact on the industry, and the challenges it presents. We will also explore industry comments, its alignment with other acts and bills, and what it could mean for the future of the power industry. Furthermore, we will discuss potential timelines for future developments.

Date: Thursday, January 25, 2024
Time: 10:00 am - 10:50 am
Speaker: John Giles, Kiewit
Room: Prairie Rose Room 104

WIND: DAY IN THE LIFE OF A WIND TECHNICIAN

This session will provide a high level introduction to what the day in the life of a NextEra Energy Wind Technician. We will cover a virtual walk through of start to finish the day in the life of a wind technician and more.

Date: Wednesday, January 24 and Thursday, January 25, 2024
Time: 1:00 pm - 1:50 pm
Speaker: Chase Dauenhauer, NextEra Energy Resources
Room: Cottonwood/Birch Rooms

2024 CONFIRMED EXHIBITORS (Early Registrations)

1st Call Explosive Solutions, Inc.

Abrasives Incorporated

Acme Tools

Action Battery Wholesalers, Inc.

Allied Instrumentation

Allied Valve Inc.-IL

American Pulverizer Company

Beabout Brock Easley-CO

Border States Electric

C. Emery Nelson, Inc.

C.L. Smith Industrial Company

Cullum and Brown

Curtiss-Wright EST Group

Dowco Valve Company

Duechting Pumps North America

Duncan Company

EAPC Industrial Services

Energy & Environmental Research Center

Electric Scientific Company

Engineered Pump Services, Inc.

Enpro, Inc.

Environmental Plant Services

Environmental Services, Ltd.

ESCO Tool Company (Millhog)

Extreme Precision Industrial Contractors LLC

FCX Performance-MN

FLEXCO

FLEXIM AMERICAS Corporation

Flexitallic US, LLC (Deer Park)

Gagnon, Inc.

Gecko Robotics

GPM, Inc.

Great Plains Technical Services

Hartigan Power Equipment

Hilco Filtration

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Kirst Process Equipment

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Mellema Engineering

Millenium Power

Miller Mechanical Specialties

Molecular Repair Concepts, Inc.

National Electric Coil

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Equipment Corp.

Malloy Electric - Fargo

MAP General Mechanical

Contractors, Inc.

Microbeam Technologies Inc.

Motion Industries

Northern Horizons

North Dakota Safety Council

Philadelphia Gear

Saulsbury Industries

Schaeffer's Specialized Lubricants

Siemens Energy

TeamPro Engineering &

Equipment, Inc.

TerraSource Global

The Plum Company

Tri-State Drilling

Universal Blastco



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 Cole Bachmeier.....Marathon Petroleum
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 Jordan Beutler.....Power Process Equipment, Inc.
 Wes Braun.....Bismarck State College
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 Pamela Clark-Stein.....ND Association of REC's
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 Ben Gress.....Rainbow Energy - Coal Creek Station
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2024 EPIC SCHEDULE AT A GLANCE

All times are CST

TUESDAY, JANUARY 23

8:00 am - 4:30 pm Pre-Conference Sessions
 9:00 am - 4:30 pm Exhibitor Registration and Setup
 4:30 pm - 6:00 pm Exhibitor Social (*open to the public*)

WEDNESDAY, JANUARY 24 (*registered participants only*)

7:00 am Check-in and On-site Registration
 7:00 am - 8:00 am Breakfast
 7:30 am - 9:00 am General Session & Opening
 Keynote Speaker
 7:30 am - 4:30 pm Exhibitor Showcase Open
 9:00 am - 10:00 am Vendor Networking Time & Sponsor
 Stage Presentations
 10:00 am - 11:50 am Professional Development Sessions
 11:30 am - 12:00 pm Vendor Lunch
 12:00 pm - 1:00 pm Participant Lunch/Vendor
 Networking & Sponsor Stage
 Presentations
 1:00 pm - 2:50 pm Professional Development Sessions
 3:00 pm - 3:30 pm Ice Cream Social with Sponsors
 (*Exhibit Hall B-D*)
 3:30 pm - 4:30 pm Closing Keynote & Grand
 Prize Drawing
 4:30 pm - 5:30 pm Networking Reception
 6:30 pm - 10:00 pm Casino Night
 (*Bismarck Hotel & Conference Center*)

THURSDAY, JANUARY 25 (*registered participants only*)

7:00 am Check-in and On-site Registration
 7:00 am - 8:00 am Breakfast
 7:30 am - 9:00 am General Session & Opening
 Keynote Speaker
 7:30 am - 2:30 pm Exhibitor Showcase Open
 9:00 am - 10:00 am Vendor Networking Time & Sponsor
 Stage Presentations
 10:00 am - 11:50 am Professional Development Sessions
 11:30 am - 12:00 pm Vendor Lunch
 12:00 pm - 1:00 pm Participant Lunch/Vendor
 Networking & Sponsor Stage
 Presentations
 1:00 pm - 1:50 pm Professional Development Sessions
 2:00 pm - 2:30 pm Ice Cream Social with Sponsors
 (*Exhibit Hall A*)
 2:30 pm Exhibit Hall Closes
 3:00 pm - 4:00 pm Closing Keynote & Grand
 Prize Drawing



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For 45 years, the Energy Generation Conference - now the Energy Progress and Innovation Conference - has been at the forefront of the energy industry in North Dakota. We thank all our vendors, partners, and sponsors for their continued contributions to the success over the years. Through this conference, we have provided a platform for stakeholders from around the country to come together and share their expertise and experience. Our workshops, speakers, and exhibitor showcase have enabled us to help grow staff in the energy industry and create an impact for energy students while doing so. Thank you for being part of this event - we are looking forward to seeing you in January!



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